Nuclear Engineering and Design 104 (1987) 391–392
North-Holland, Amsterdam

AUTHOR INDEX TO VOLUME 104

Ahmed, K.M., The dynamic response of multi-layers AGR core brick arrays 104 (1987) 1

Benjamin, A.S., G.R. Boyd, W.B. Murfin and D.M. Kunsman, Evaluation of uncertainties in risk emanating from a number of severe accident issues 104 (1987) 249
Bennett, F.O., see Fenech 104 (1987) 83
Bergeron, K.D., see Carroll 104 (1987) 277
Bieniarz, PP., see Gasser 104 (1987) 295
Boyd, G.R., see Benjamin 104 (1987) 249
Bracht, K. and M. Tiltmann, Analysis of strategies for containment venting in case of severe accidents 104 (1987) 235

Carcassi, M., F. Fineschi and G. Lombardi, Air–hydrogen deflagration tests at the University of Pisa 104 (1987) 241
Carroll, D.E., J.L. Tills, G.D. Valdez, K.D. Bergeron and D.C. Williams, Integrated analysis of core debris interactions and their effects on containment integrity using the CONTAIN computer code 104 (1987) 277
Chan, A.M.C., see Shoukri 104 (1987) 197
Chiba, T., see Kunieda 104 (1987) 107
Clauss, D.B., Failure mechanisms of LWR steel containment buildings subject to severe accident loadings 104 (1987) 371

Dameron, R.A., R.S. Dunham, Y.R. Rashid and H.T. Tang, Analytical correlation and interpretation of full scale containment specimen tests 104 (1987) 329
Danay, A., see Hindy 104 (1987) 305
Dunham, R.S., see Dameron 104 (1987) 329

Efthimiadis, A., see Ninokata 104 (1987) 93
McElroy, W.N., see Gold 104 (1987) 155
Espefält, R., L. Gunsell, G. Löwenhielm, G. Kaiser and P.J. Fulford, Risk analyses of the Ringhals plants: Containment behaviour and filtered vent 104 (1987) 217
Evans, J.J.B. and P.M. Keogh, The influence of non-linearity and foundation behaviour on containment integrity 104 (1987) 357

Fenech, H. and F.O. Bennett, Axial static pressure variations in inner and side subchannels of a 61-tube wire-wrap bundle 104 (1987) 83
Fineschi, F., see Carcassi 104 (1987) 241
Fulford, P.J., see Espefält 104 (1987) 217

Gasser, R.D., P.P. Bieniarz and J.L. Tills, Containment response and radiological release for a TMLB' accident sequence in a large dry containment 104 (1987) 295
Gold, R. and W.N. McElroy, Radiation-induced embrittlement in light water reactor pressure vessels 104 (1987) 155
Göller, B., see Krieg 104 (1987) 381
Gunsell, L., see Espefält 104 (1987) 217
Gurbuz, O., see Shunmugavel 104 (1987) 349

Hänni, H.P., see Schaub 104 (1987) 225
Hanson, N.W., D.M. Schultz, J.J. Roller and H.T. Tang, Results of large-scale test of discontinuity region in a prestressed concrete containment 104 (1987) 321
Hasegawa, M., T. Ichikawa, S. Nakai and T. Watanabe, Nonlinear seismic response analysis of embedded reactor building based on the substructure approach 104 (1987) 175
Hibbitt, H.D., A simplified model for concrete at low confining pressures 104 (1987) 313
Hindy, A. and A. Danay, Plastic analysis of concrete containment structure 104 (1987) 305
Horschel, D.S., Construction of a 1/6-scale concrete containment model 104 (1987) 341

Ichikawa, T., see Hasegawa 104 (1987) 175
Ishii, M., see Kocamustafaogullari 104 (1987) 121
Isozaki, T., K. Soda and S. Miyazono, Structural analysis of a Japanese BWR MARK-I containment under internal pressure loading 104 (1987) 365

Jeong, J.J. and H.C. No, An improved numerical scheme with the fully-implicit two-fluid model for a fast-running system code 104 (1987) 145

Kaiser, G., see Espefält 104 (1987) 217
Karwat, H. and W.A. von Riesemann, Preface to the Topical Issue on the Third Workshop on Containment Integrity 104 (1987) 215
Karwat, H., Scaling and extrapolation of hydrogen distribution experiments 104 (1987) 285
Kawamura, H., see Takeda 104 (1987) 133

Keogh, P.M., see Evans 104 (1987) 357
Kim, I.S. and M. Modarres, Application of Goal Tree–Success Tree model as the knowledge-base of Operator Advisory Systems 104 (1987) 67
Kobayashi, H., see Kunieda 104 (1987) 107
Kocamustafaogullari, G. and M. Ishii, Scaling of two-phase flow transients using reduced pressure system and simulant fluid 104 (1987) 121
Krieg, R., B. Göller, G. Messemer and E. Wolf, Failure pressure and failure mode of the latest type of German PWR containments 104 (1987) 381
Kunieda, M., T. Chiba and H. Kobayashi, Positive use of damping devices for piping systems – Some experiences and new proposals 104 (1987) 107
Kunsman, D.M., see Benjamin 104 (1987) 249
Kussmaul, K., Book review: 'Probabilistic Fracture Mechanics and Reliability' by J.W. Provan 104 (1987) 211

Lombardi, G., see Carcassi 104 (1987) 241
Löwenhielm, G., see Espefält 104 (1987) 217

Messemer, G., see Krieg 104 (1987) 381
Miyazono, S., see Isozaki 104 (1987) 365
Modarres, M., see Kim 104 (1987) 67
Murfin, W.B., see Benjamin 104 (1987) 249

Nakai, S., see Hasegawa 104 (1987) 175
Ninokata, H., A. Efthimiadis and N.E. Todreas, Distributed resistance modeling of wire-wrapped rod bundles 104 (1987) 93
No, H.C., see Jeong 104 (1987) 145

Rashid, Y.R., see Dameron 104 (1987) 329
Roller, J.J., see Hanson 104 (1987) 321

Sammataro, R.F., Preservice and inservice requirements for containment structures in the United States – A status report 104 (1987) 267
Schaub, Th. and H.P. Hänni, Containment integrity is a major part of KKL-safety systems PRA 104 (1987) 225
Schultz, D.M., see Hanson 104 (1987) 321
Seki, M., see Takeda 104 (1987) 133
Shoukri, M. and A.M.C. Chan, On the thermal analysis of pressure tube/calandria tube contact in CANDU reactors 104 (1987) 197
Shunmugavel, P. and O. Gurbuz, An evaluation of structural failure modes for prestressed concrete containments 104 (1987) 349
Soda, K., see Isozaki 104 (1987) 365

Takeda, T., H. Kawamura and M. Seki, Natural circulation in parallel vertical channels with different heat inputs 104 (1987) 133
Tang, H.T., see Dameron 104 (1987) 329
Tang, H.T., see Hanson 104 (1987) 321
Tills, J.L., see Carroll 104 (1987) 277
Tills, J.L., see Gasser 104 (1987) 295
Tiltmann, M., see Bracht 104 (1987) 235
Todreas, N.E., see Ninokata 104 (1987) 93

Valdez, G.D., see Carroll 104 (1987) 277
Von Riesemann, W.A., See Karwat 104 (1987) 215

Wagenknecht, E., Response of a NPP reactor building under seismic action with regard to different soil properties 104 (1987) 187
Watanabe, T., see Hasegawa 104 (1987) 175
Williams, D.C., see Carroll 104 (1987) 277
Wolf, E., see Krieg 104 (1987) 381

Nuclear Engineering and Design 104 (1987) 393–394
North-Holland, Amsterdam

SUBJECT INDEX TO VOLUME 104

Thermal and fluid design

Axial static pressure variations in inner and side subchannels of a 61-tube wire-wrap bundle, H. Fenech and F.O. Bennett 104 (1987) 83
Distributed resistance modeling of wire-wrapped rod bundles, H. Ninokata, A. Efthimiadis and N.E. Todreas 104 (1987) 93
Natural circulation in parallel vertical channels with different heat inputs, T. Takeda, H. Kawamura and M. Seki 104 (1987) 133
On the thermal analysis of pressure tube /calandria tube contact in CANDU reactors, M. Shoukri and A.M.C. Chan 104 (1987) 197

Heat conduction and transfer

Air–hydrogen deflagration tests at the University of Pisa, M. Carcassi, F. Fineschi and G. Lombardi 104 (1987) 241
Integrated analysis of core debris interactions and their effects on containment integrity using the CONTAIN computer code, D.E. Carroll, J.L. Tills, G.D. Valdez, K.D. Bergeron and D.C. Williams 104 (1987) 277

Fluid dynamics

Scaling of two-phase flow transients using reduced pressure system and simulant fluid, G. Kocamustafaogullari and M. Ishii 104 (1987) 121
An improved numerical scheme with the fully-implicit two-fluid model for a fast-running system code, J.J. Jeong and H.C. No 104 (1987) 145

Engineering mechanics

The dynamic response of multi-layers AGR core brick arrays, K.M. Ahmed 104 (1987) 1
Nonlinear seismic response analysis of embedded reactor building based on the substructure approach, M. Hasegawa, T. Ichikawa, S. Nakai and T. Watanabe 104 (1987) 175
Response of a NPP reactor building under seismic action with regard to different soil properties, E. Wagenknecht 104 (1987) 187
Plastic analysis of concrete containment structure, A. Hindy and A. Danay 104 (1987) 305

Materials properties

Radiation-induced embrittlement in light water reactor pressure vessels, R. Gold and W.N. McElroy 104 (1987) 155
A simplified model for concrete at low confining pressures, H.D. Hibbitt 104 (1987) 313

Mechanical design, component fabrication and testing

Positive use of damping devices for piping systems – Some experiences and new proposals, M. Kunieda, T. Chiba and H. Kobayashi 104 (1987) 107
Preservice and inservice requirements for containment structures in the United States – A status report, R.F. Sammataro 104 (1987) 267
The influence of non-linearity and foundation behaviour on containment integrity, J.J.B. Evans and P.M. Keogh 104 (1987) 357
Failure pressure and failure mode of the latest type of German PWR containments, R. Krieg, B. Göller, G. Messemer and E. Wolf 104 (1987) 381

Reactor concepts and systems analysis

Application of Goal Tree–Success Tree model as the knowledge-base of Operator Advisory Systems, I.S. Kim and M. Modarres 104 (1987) 67
Risk analyses of the Ringhals plants: Containment behaviour and filtered vent, R. Espefält, L. Gunsell, G. Löwenhielm, G. Kaiser and P.J. Fulford 104 (1987) 217
Containment integrity is a major part of KKL-safety systems PRA, Th. Schaub and H.P. Hänni 104 (1987) 225
Analysis of strategies for containment venting in case of severe accidents, K. Bracht and M. Tiltmann 104 (1987) 235
Preservice and inservice requirements for containment structures in the United States – A status report, R.F. Sammataro 104 (1987) 267

Safeguard engineering

Application of Goal Tree–Success Tree model as the knowledge-base of Operator Advisory Systems, I.S. Kim and M. Modarres 104 (1987) 67

Layout of nuclear facilities

Analysis of strategies for containment venting in case of severe accidents, K. Bracht and M. Tiltmann 104 (1987) 235

Structural design, construction methods and testing

Nonlinear seismic response analysis of embedded reactor building based on the substructure approach, M. Hasegawa, T. Ichikawa, S. Nakai and T. Watanabe 104 (1987) 175
Plastic analysis of concrete containment structure, A. Hindy and A. Danay 104 (1987) 305
Results of large-scale test of discontinuity region in a prestressed concrete containment, N.W. Hanson, D.M. Schultz, J.J. Roller and H.T. Tang 104 (1987) 321
Analytical correlation and interpretation of full scale containment specimen tests, R.A. Dameron, R.S. Dunham, Y.R. Rashid and H.T. Tang 104 (1987) 329
Construction of a 1/6-scale concrete containment model, D.S. Horschel 104 (1987) 341
An evaluation of structural failure modes for prestressed concrete containments, P. Shunmugavel and O. Gurbuz 104 (1987) 349
The influence of non-linearity and foundation behaviour on containment integrity, J.J.B. Evans and P.M. Keogh 104 (1987) 357
Structural analysis of a Japanese BWR MARK-I containment under internal pressure loading, T. Isozaki, K. Soda and S. Miyazono 104 (1987) 365
Failure mechanisms of LWR steel containment buildings subject to severe accident loadings, D.B. Clauss 104 (1987) 371

Radiation shielding

Containment response and radiological release for a TMLB' accident sequence in a large dry containment, R.D. Gasser, P.P. Bieniarz and J.L. Tills 104 (1987) 295

Isotope engineering

Containment response and radiological release for a TMLB' accident sequence in a large dry containment, R.D. Gasser, P.P. Bieniarz and J.L. Tills 104 (1987) 295

Information

Preface to the Topical Issue on the Third Workshop on Containment Integrity, H. Karwat and W.A. von Riesemann 104 (1987) 215

Book reviews

Book review: 'Probabilistic Fracture Mechanics and Reliability' by J.W. Provan, K. Kussmaul 104 (1987) 211

Nuclear safety

On the thermal analysis of pressure tube/calandria tube contact in CANDU reactors, M. Shoukri and A.M.C. Chan 104 (1987) 197
Risk analyses of the Ringhals plants: Containment behaviour and filtered vent, R. Espefält, L. Gunsell, G. Löwenhielm, G. Kaiser and P.J. Fulford 104 (1987) 217
Containment integrity is a major part of KKL-safety systems PRA, Th. Schaub and H.P. Hänni 104 (1987) 225
Analysis of strategies for containment venting in case of severe accidents, K. Bracht and M. Tiltmann 104 (1987) 235
Evaluation of uncertainties in risk emanating from a number of severe accident issues, A.S. Benjamin, G.R. Boyd, W.B. Murfin and D.M. Kunsman 104 (1987) 249
Integrated analysis of core debris interactions and their effects on containment integrity using the CONTAIN computer code, D.E. Carroll, J.L. Tills, G.D. Valdez, K.D. Bergeron and D.C. Williams 104 (1987) 277
Scaling and extrapolation of hydrogen distribution experiments, H. Karwat 104 (1987) 285
Containment response and radiological release for a TMLB' accident sequence in a large dry containment, R.D. Gasser, P.P. Bieniarz and J.L. Tills 104 (1987) 295
Construction of a 1/6-scale concrete containment model, D.S. Horschel 104 (1987) 341
An evaluation of structural failure modes for prestressed concrete containments, P. Shunmugavel and O. Gurbuz 104 (1987) 349
Failure pressure and failure mode of the latest type of German PWR containments, R. Krieg, B. Göller, G. Messemer and E. Wolf 104 (1987) 381